

This listing of claims will replace all prior versions, and listings, of claims in the application:

**Listing of Claims:**

Claims 1-15 (canceled)

Claim 16 (previously presented)      A system for making a substantially filled tire comprising:

a grinder;

a mixer that combines the unused flatproofing material to the ground used flatproof  
pneumatic tires;

an injector that injects a mixture of at least one unused flatproofing material into the  
ground used flatproof pneumatic tires

a pump for transferring the combination of ground used flatproof pneumatic tires and  
unused flatproofing material from the mixer to a valve;

an input device that inputs the combination into a tubed or tubeless pneumatic tire;

and

a pressure sensor attached to said input device.

Claim 17 (previously presented) The system of claim 16, further comprising a controller  
electronically coupled to the injector and the pressure sensor.

Claims 18-19 (canceled).

Claim 20 (currently amended)      ~~The system of claim 18, further comprising~~ A system for  
making a tire with a substantially filled core comprising:

a grinding device capable of grinding cured polyurethane;

an elongated rotatable screw device capable of mixing the ground polyurethane and a  
liquid virgin polyurethane and pressurizing and transferring the mixed material into the core

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of a tire, said screw device having an input disposed to receive ground pured polyurethane  
from the grinding device; and

a controller electronically coupled to the grinding device and the elongated screw device.